

**ROHM AND HAAS COMPANY**CORPORATE HEALTH AND SAFETY  
INDEPENDENCE MALL WEST  
PHILADELPHIA, PA 19105EMERGENCY TELEPHONE  
215-592-3000 (ROHM AND HAAS)  
800-424-9300 (CHEMTREC)

HAZARD RATING		Fire	Reactivity
4 - EXTREME	3 - HIGH	2 - MODERATE	1 - SLIGHT
0 - INSIGNIFICANT	* - CHRONIC HEALTH HAZARD - SEE SECTION IV		

Toxicity: 0  
Special: 0

**MATERIAL SAFETY DATA SHEET**

LIST 6

MATERIAL <b>PLEXIGLAS® COLORLESS 55 SHRUNK &amp; MASKED FOR STRETCHING Sheet</b>	CODE <b>15405</b>	KEY <b>902736-8</b>	FREIGHT CLASSIFICATION
	DATE ISSUED <b>12/09/81</b>		
FORMULA	CHEMICAL NAME OR SYNONYMS <b>Acrylic polymer</b>		

**(I - INGREDIENTS)**

	WEIGHT %	TWA/TLV
<b>Acrylic polymer</b>	<b>100</b>	
<b>Monomers</b>	<b>Trace</b>	

**(II - PHYSICAL DATA)**

APPEARANCE - ODOR - pH. <b>Colorless sheet; no odor</b>			VISCOSITY <b>NA</b>
MELTING OR FREEZING POINT <b>NA</b>	BOILING POINT <b>NA</b>	VAPOR PRESSURE (mm Hg) <b>NA</b>	VAPOR DENSITY (AIR = 1) <b>NA</b>
SOLUBILITY IN WATER <b>Negligible</b>	PERCENT VOLATILE (BY WEIGHT) <b>0</b>	SPECIFIC GRAVITY (WATER = 1) <b>1.19</b>	EVAPORATION RATE (BUTYL ACETATE = 1) <b>NA</b>

**(III - FIRE AND EXPLOSION HAZARD DATA)**

FLASH POINT <b>NA</b>	AUTO IGNITION TEMPERATURE <b>460C /860F</b>	LOWER EXPLOSION LIMIT (%) <b>NA</b>	UPPER EXPLOSION LIMIT (%) <b>NA</b>
EXTINGUISHING MEDIA <input type="checkbox"/> FOAM <input type="checkbox"/> "ALCOHOL" FOAM <input checked="" type="checkbox"/> CO <sub>2</sub> <input checked="" type="checkbox"/> DRY CHEMICAL <input checked="" type="checkbox"/> WATER FOG <input type="checkbox"/> OTHER			
SPECIAL FIRE FIGHTING PROCEDURES <b>Wear MSHA/NIOSH approved, pressure demand, self-contained breathing apparatus or equivalent.</b>			
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>Burns vigorously with intense heat.</b>			

**(IV - HEALTH HAZARD DATA)**

RECOMMENDED ROHM AND HAAS HEALTH GUIDE TWA (MAXIMUM TIME-WEIGHTED-AVERAGE CONCENTRATION FOR AN 8-HOUR WORK PERIOD) <b>Acrylic monomers - 50 ppm measured as MMA</b>
EFFECTS OF OVEREXPOSURE <b>This material is a solid polymer in sheet form and is not considered a hazardous material in normal storage and handling. However, low levels of monomer may be generated when the sheet is heated during processing. In addition, polymer dust particles may be generated from sawing and machining operation. Following are brief comments on the possible effects of overexposure to monomer vapors and polymer dust. More complete information is included in Rohm and Haas Bulletins 2J, 3K and 4L which are available on request and which users are urged to obtain and study before processing this product. SEE SECTION X.</b>
EMERGENCY AND FIRST AID PROCEDURES <b>Inhalation: Move subject to fresh air.  Eye and Skin Contact: Flush eyes with water to remove polymer dust particles. Wash affected skin areas with soap and water.</b>

### V - REACTIVITY DATA

<b>STABILITY</b> <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE		<b>CONDITIONS TO AVOID</b> NA	
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b> Thermal decomposition may yield acrylic monomers.			
<b>HAZARDOUS POLYMERIZATION</b> <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR		<b>CONDITIONS TO AVOID</b> NA	
<b>INCOMPATIBILITY (MATERIALS TO AVOID)</b> <input type="checkbox"/> WATER <input type="checkbox"/> OTHER    None			

### VI - SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

#### WASTE DISPOSAL METHODS

Discard with normal trash or landfill according to current local, state and federal regulations.

### VII - SPECIAL PROTECTION INFORMATION

**VENTILATION TYPE** Normal room ventilation. If overheating occurs during processing, exhaust ventilation should be provided (See Section IV).

#### RESPIRATORY PROTECTION

None required for normal operations.

<b>PROTECTIVE GLOVES</b> Cotton or canvas	<b>EYE PROTECTION</b> Safety glasses (ANSI Z87.1, 1979)
<b>OTHER PROTECTIVE EQUIPMENT</b>	

### VIII - STORAGE AND LABELING

STORAGE TEMPERATURE		INDOOR	HEATED	REFRIGERATED	OUTDOOR
MAX.	MIN.	YES	NO	NO	NO

Store at ambient temperatures.

### IX - TOXICITY INFORMATION

NA

### X - MISCELLANEOUS INFORMATION

Local and/or general room exhaust ventilation may be required to meet the ACGIH 100 ppm TLV or the Rohm and Haas recommended TWA of 50 ppm for methyl methacrylate.

**Inhalation:** Monomer vapors may cause irritation, nausea, headache and dizziness. Polymer dust particles may irritate the upper respiratory tract after prolonged or repeated exposure.

**Eye Contact:** Monomer vapors and polymer dust particles may irritate the eyes.

**Skin Contact:** Polymer dust particles may irritate the skin on prolonged or repeated contact.

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NA - NOT APPLICABLE C - CEILING VALUE	<b>KEY</b> 902736-8	<b>DATE OF ISSUE</b> 12/09/81	<b>SUPERSEDES</b> 08/78
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